

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

*[Handwritten signature]*  
Patricia D. Granados

Date: August 7, 2001

**Heller Ehrman White & McAuliffe LLP**

1666 K Street, N.W., Suite 300  
Washington, D.C. 20006-4004  
Telephone: (202) 912-2000  
Facsimile: (202) 912-2020

Patricia D. Granados  
Reg. No.: 33,683



26633

Customer No. 26633

PATENT TRADEMARK OFFICE

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

34. (Amended once) Process for preparing acarbose, comprising the steps of: [characterized in that
- (a) one or more genes according to one or more of Claims 6 to 11 are used for expression in a suitable host cell, and
  - (b) the acarbose is isolated from culture supernatants of said host cell.]
  - (i) expressing DNA in a suitable host cell, and
  - (ii) isolating from culture supernatants of said host cell acarbose, wherein said DNA is selected from the group consisting of (a) nucleotides 1-720 of Table 4, (b) nucleotides 720 to 2006 of Table 4; (c) nucleotides 2268-3332 of Table 4; (d) nucleotides 3332-4306 of Table 4; (e) nucleotides 4380-5414 of Table 4; and (f) nucleotides 5676-6854 of Table 4.
35. (Amended once) Process for preparing acarbose according to Claim 34, [characterized in that] wherein said host [cells according to one of Claims 21 or 22 are selected.] cell is selected from the group consisting of E. coli, Bacillus subtilis, Streptomyces, Actinoplanes, Ampullariella or Streptosporangium strains, Streptomyces hygroscopicus var. limoneus or Streptomyces glaucescens, Aspergillus niger, Penicillium chrysogenum and Saccharomyces cerevisiae.
36. (Amended Once) Process for preparing acarbose comprising the steps of: [characterized in that
- (a) one or more genes according to one or more of Claims 6 to 11 are eliminated in a natural acarbose-producing host cell, and
  - (b) the acarbose is isolated from said host cell.]
  - (i) eliminating DNA in a natural acarbose – producing host cell; and,
  - (ii) isolating acarbose from said host cell; wherein said DNA is selected from the group consisting of (a) nucleotides 1-720 of Table 4, (b) nucleotides 720 to 2006 of Table 4; (c) nucleotides 2268-3332 of Table 4; (d) nucleotides 3332-4306 of Table 4; (e) nucleotides 4380-5414 of Table 4; and (f) nucleotides 5676-6854 of Table 4.
37. (Amended Once) Process for preparing acarbose according to Claim 36, wherein said [characterized in that] host [cells according to Claim 22 are selected] cell is selected from the group consisting of streptomyces glaucescens GLA.O and Actinoplanes sp.